(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 19 August 2004 (19.08.2004)

PCT

(10) International Publication Number WO 2004/069727 A3

(51) International Patent Classification⁷: B66C 1/22

(21) International Application Number:

PCT/IL2004/000082

(22) International Filing Date: 28 January 2004 (28.01.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/445,843

10 February 2003 (10.02.2003) US

(71) Applicant and

(72) Inventor: LEIBOVITZ, Eitan [IL/IL]; 18 Hashalom St., 40500 Even Yehuda (IL).

(74) Agent: TSIVION, Yoram; P.O. Box 1307, 37111 Pardes Hanna (IL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

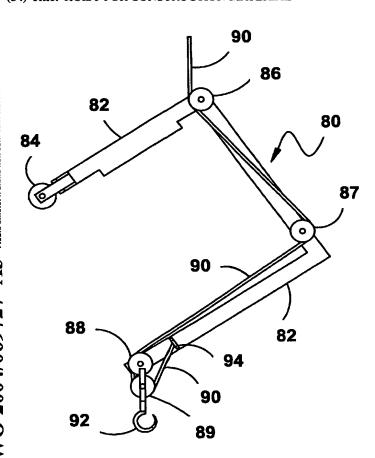
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

[Continued on next page]

(54) Title: HOIST FOR CONSTRUCTION MATERIAL



(57) Abstract: A hoist (80) for construction sites, for carrying loads suspended from a crane. The hoist (80) is C-shaped, suspended at its top arm by a cable (90) of a crane. The bottom arm carries a hook (92), typically vertically movable, for lifting and moving loads about in the construction site. Owing to its lateral opening, the hoist can deliver loads into the interior space of floors, using minimal crew and relying mainly on the crane for maneuverability.

WO 2004/069727 A3



 before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report: 9 June 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No. PCT/IL04/00082

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : B66C 1/22 US CL : 294/67.5 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 294/67.1, 67.2, 67.21, 67.22, 67.3, 67.5, 81.56				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where appropriate, of the relevant passages			Relevant to claim No.
Х	US 2,851,170 A (McDONOUGH) 09 September 1958, see entire document.			1, 3, 6
 Y				4
Y	US 4,950,012 A (JONES) 21 August 1990, see Figs. 1, 3, and 4.			4
A	US 3,521,924 A (WALLENIUS) 28 July 1970, see entire document.			
A	US 3,879,077 A (CELIO) 22 April 1975, see entire document.			
A	US 1,591,248 A (TRACY) 06 July 1926, see entire document.			
1				
Ì				
				<u> </u>
· ——	r documents are listed in the continuation of Box C.		See patent family annex.	townsianal filler data or priority
i	Special categories of cited documents:	"T"	later document published after the in date and not in conflict with the appl	ication but cited to understand the
"A" documen	at defining the general state of the art which is not considered to be utar relevance		principle or theory underlying the in-	
1 .	pplication or patent published on or after the international filing date	"X"	document of particular relevance; the considered novel or cannot be considered when the document is taken alone	e claimed invention cannot be lered to involve an inventive step
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means		пÅв	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination	
			being obvious to a person skilled in	the art
"P" document published prior to the international filing date but later than the priority date claimed		"& "	"&" document member of the same patent family	
Date of the actual completion of the international search		Date of mailing of the international search report 22 APR 2005		
16 August 2004 (16.08.2004) Name and mailing address of the ISA/US			red officer. I	
Mail Stop PCT, Atta: ISA/US		-	Kramer Jun L	
Commissioner for Patents		2011 3. 22.112.0		
P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230			ne No. (703) 308-1113	
I doubline it				

Form PCT/ISA/210 (second sheet) (January 2004)